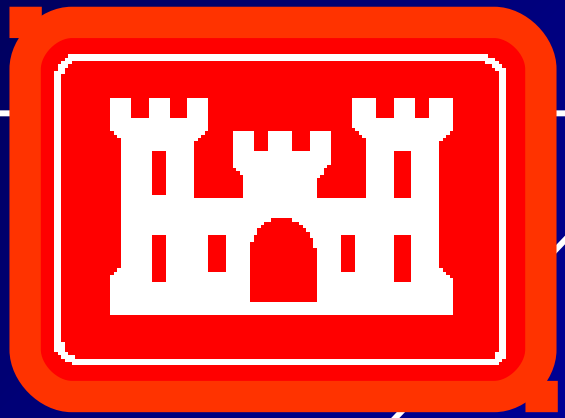


US Army Corps of Engineers

Civil Works Overview

The Army Civil Works Mission

Provide the Nation with Responsive ...

Development & Management of Water Resources Infrastructu

Protection, Restoration & Management of the Environme

Disaster Response & Recovery

Engineering & Technical Servic

in an environmentally, economically and technically sound m

Scope of the Program

- **People**
  - Civilian Employees: 25,022 (FTE)
  - Military: 188
  - Contractor community: Unlimited
- **Offices**
  - Divisions: 8; Districts: 38
  - Hundreds of Area, Project, Resident Engineer Offices throughout the U.S.
- **Funding**
  - Approximately $5 billion annually
    - Does not include Support for Others
  - No cost to DOD funds or employee ceilings

Civil Works Skills

- Planning
- Design
- Construction
- Engineering management
- Contingency & disaster response
- Environmental services
- Real estate management
- Engineering & materials R&D

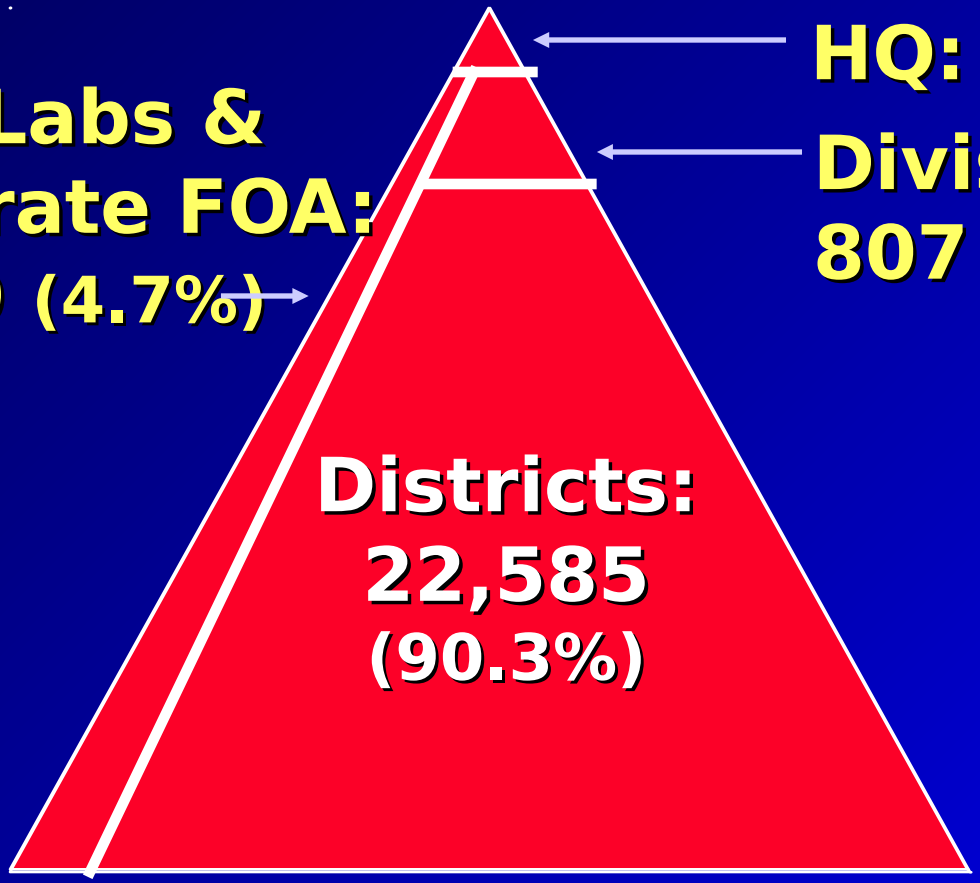
Civil Works Divisions & Districts

LEGEND:

- Division HQ location
- District HQ location
- Division boundary

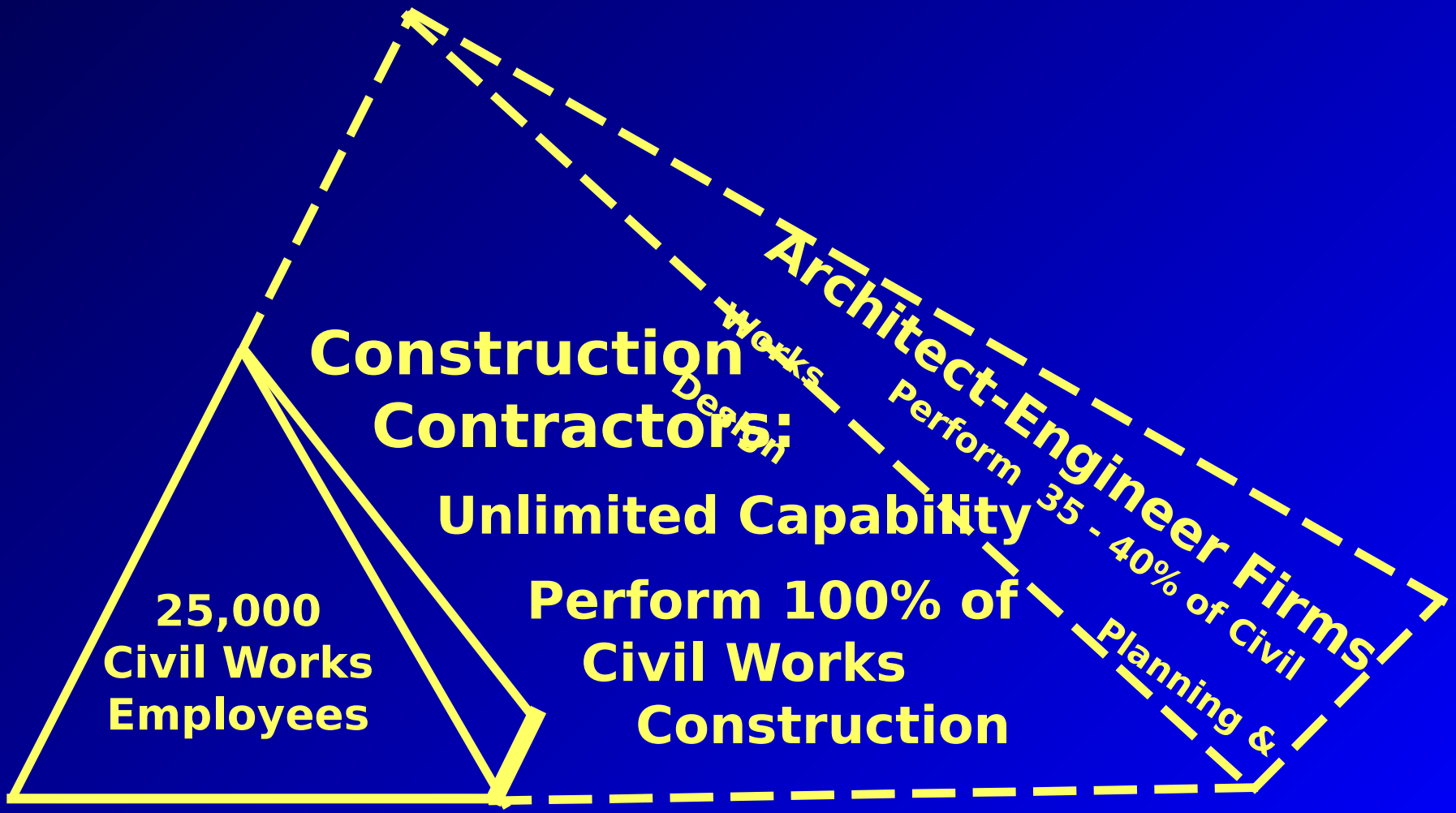
Where Are Our Civil Workers?

Full-time Equivalent Allocations



Total: 25,022

Private Sector Leverage


Architect-Engineer Firms:
Perform 35 - 40% of Civil Works Design & Planning &
Construction Contractors:
Unlimited Capability
Perform 100% of Civil Works Construction
25,000 Civil Works Employees

Business Programs

- **Navigation (Harbors, Inland Waterways)**
- **Flood Control & Shore Protection**
- **Environmental Stewardship**
- **Regulation of U.S. Waters & Wetlands**
- **Formerly Used Sites Remedial Action Program (FUSRAP - Radiological Waste Cleanup)**
- **Disaster Preparedness & Response**
- **Hydropower**
- **Water Supply & Quality**
- **Recreation**
- **Support to Other Agencies**

Business Program:

- ✓ **11,000 miles of Inland and Intracoastal Waterways**
  - **237 Lock Chambers**
  - **Moving over 600 million tons**
  - **Carrying 16% of Nation's inter-city freight at a cost 1/2 that of rail, 1/10 that of trucks**
- ✓ **300 major seaports handle 1.5 billion tons of cargo per year**
  - **Over 600 smaller harbors**

Business Program:

- ✓ 383 dams & reservoirs
- ✓ 8,500 miles of levees
- ✓ Flood protection advice & assistance to States, Localities, Tribes
  - ☛ 35,000 requests for information per year
- ✓ Average annual flood damages prevented = $22 B
- ✓ Every $1 invested in flood control has prevented nearly $6 in flood damages (after adjusting for inflation)

Business Program:

- ✓ **Manage 18,000 sq. mi. of project lands (1/2 DA total, 1/3 DOD total)**
- ✓ **All projects regularly checked for compliance with environmental law**
- ✓ **Project modifications for Improvement of Environment (Sec. 1135)**
- ✓ **Major environmental restoration projects (e.g. Everglades)**
- ✓ **Approx. 15% of Civil Works Budget is for environmental stewardship**

Business Program:

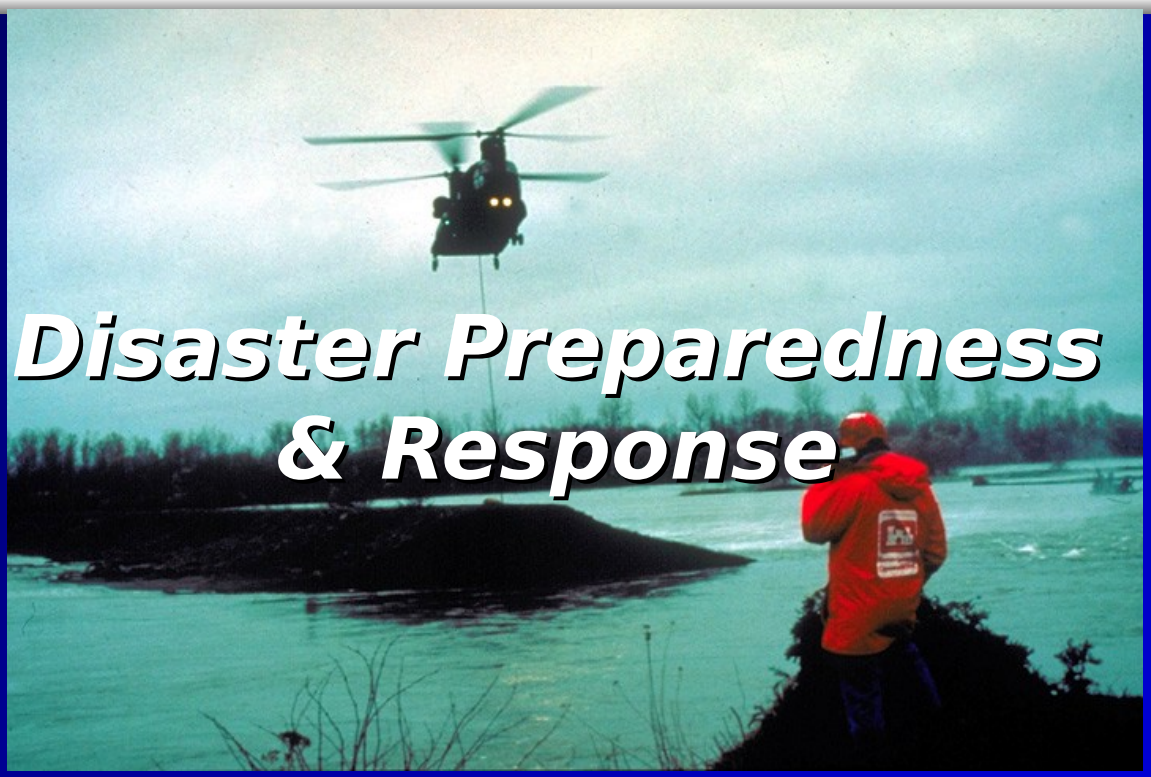
- ✓ Sec. 404, Clean Water Act of 1972; other laws; court decisions
- ✓ Nearly 90,000 permit cases processed per year
  - 92% completed within 60 days
- ✓ Actions permitted on 21,000 acres; in return, 46,600 acres of wetland restoration or creation required
- ✓ 1,100 people employed in program

Business Program:

Formerly Used Sites Remedial Action Program (FUSRAP)

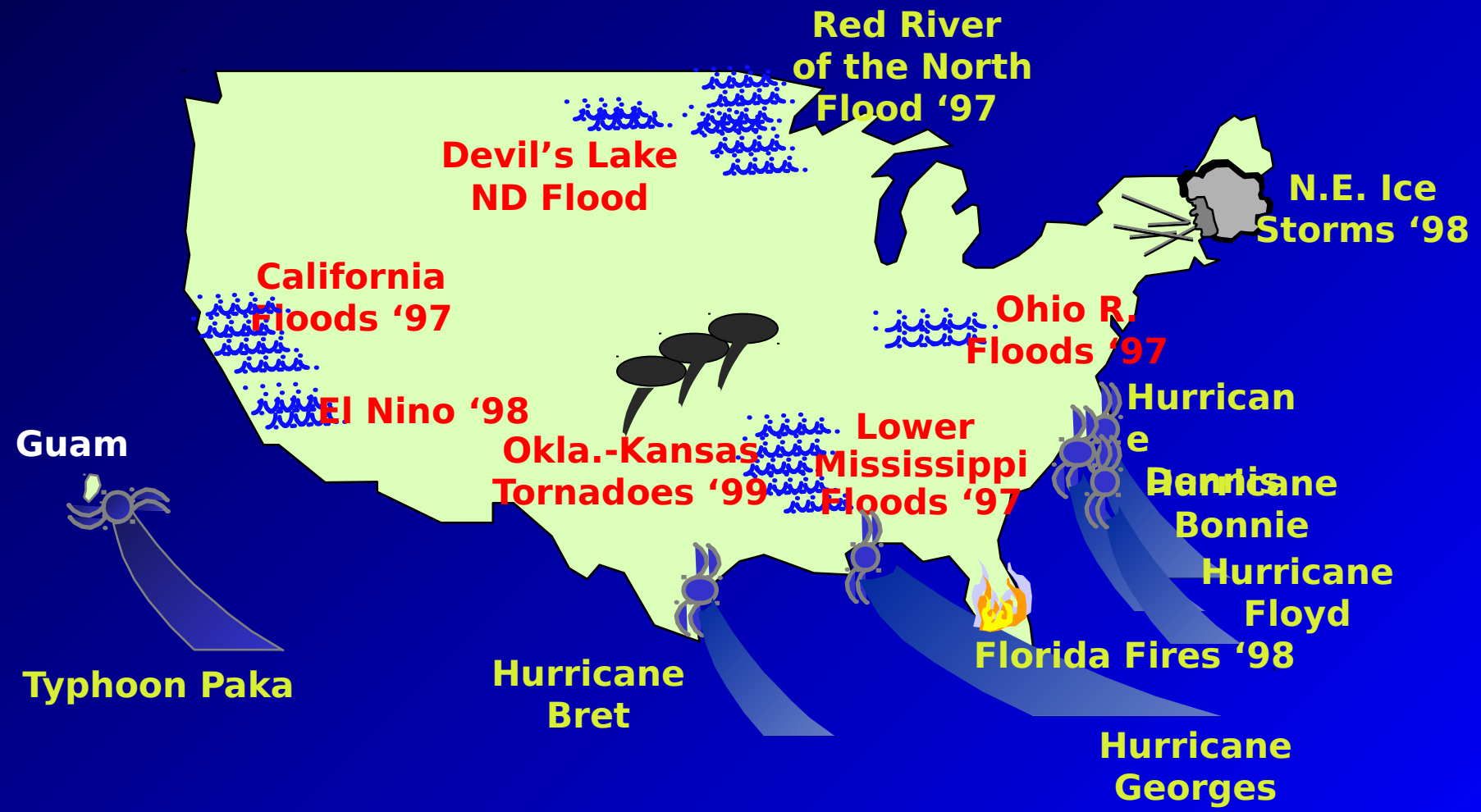
- Cleanup of sites contaminated with low level radioactive waste
  - Sites in Missouri, Ohio, New York, New Jersey, Maryland, Illinois, Massachusetts & Connecticut

Business Program:



- Army has missions under law
  - P.L. 93-288 (Stafford Act--FEMA)
  - P.L. 84-99 (Floods)
- Federal Response Plan: Army is executive agent for Engineering & Public Works support
- Leverage with contractors; other Army & DOD assets

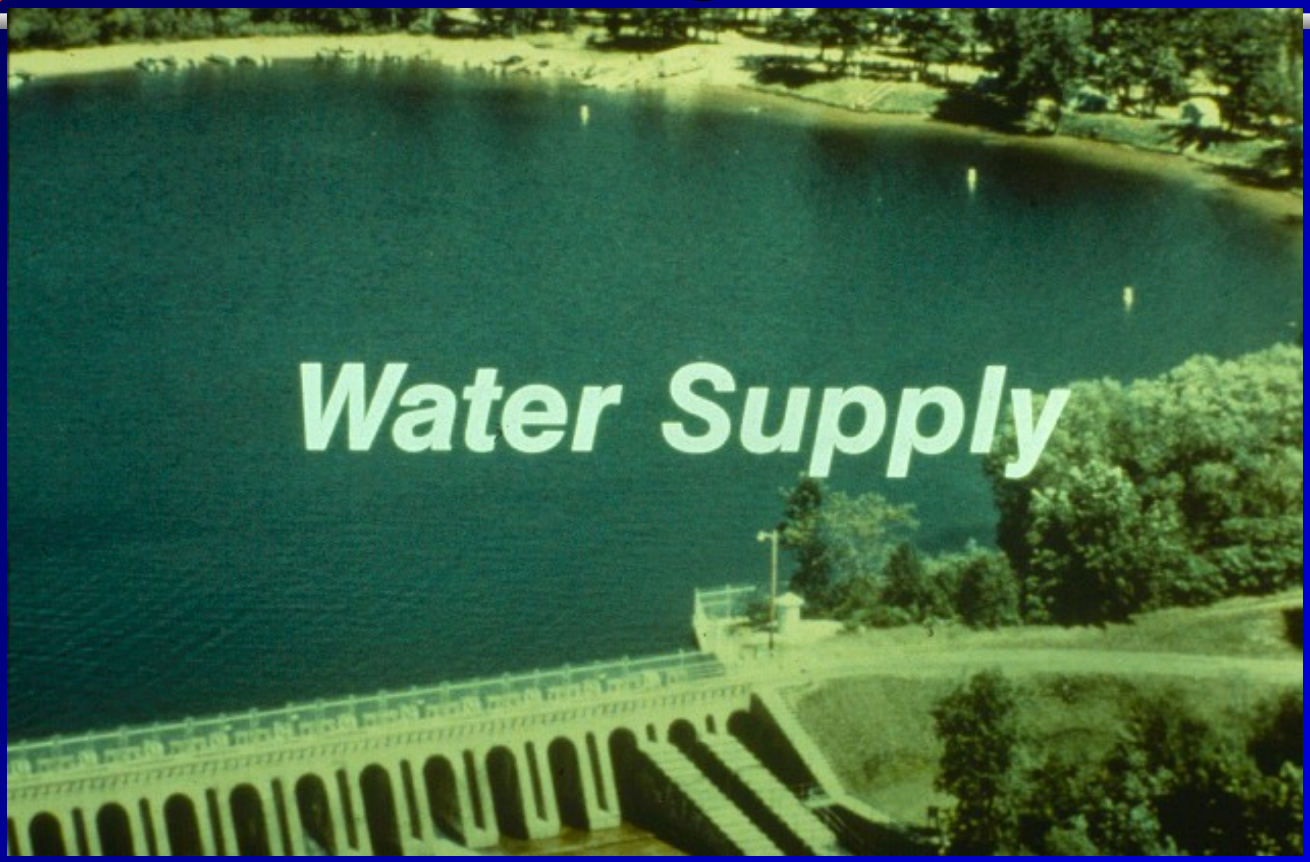
Major Disaster Responses
1997-99



Business Program:

- ✓ 24% of Nation's hydropower (3% of total U.S. electric energy)
- ✓ 75 plants with over 20,000 megawatts total capacity
- ✓ Nearly $450 million a year in U.S. revenue from power sales

Business Program:



- ✓ **Water from Corps reservoirs supplies 10 million people in 115 cities**
  - ☛ **Including Washington, DC; Pentagon; Virginia suburbs from aqueduct built and operated by Corps since 1857**
- ✓ **Agricultural water supplied from Western projects**

Business Program:

- ✓ Corps is second largest provider of outdoor recreation in U.S.
- ✓ Over 4,300 sites at 463 projects
- ✓ 360 million visits a year by about 25 million people
  - ✓ 10% of U.S. population visits at least one day a year
- ✓ 600,000 jobs generated by recreation
- ✓ Corps rangers meet more Americans than any other Department of Army personnel

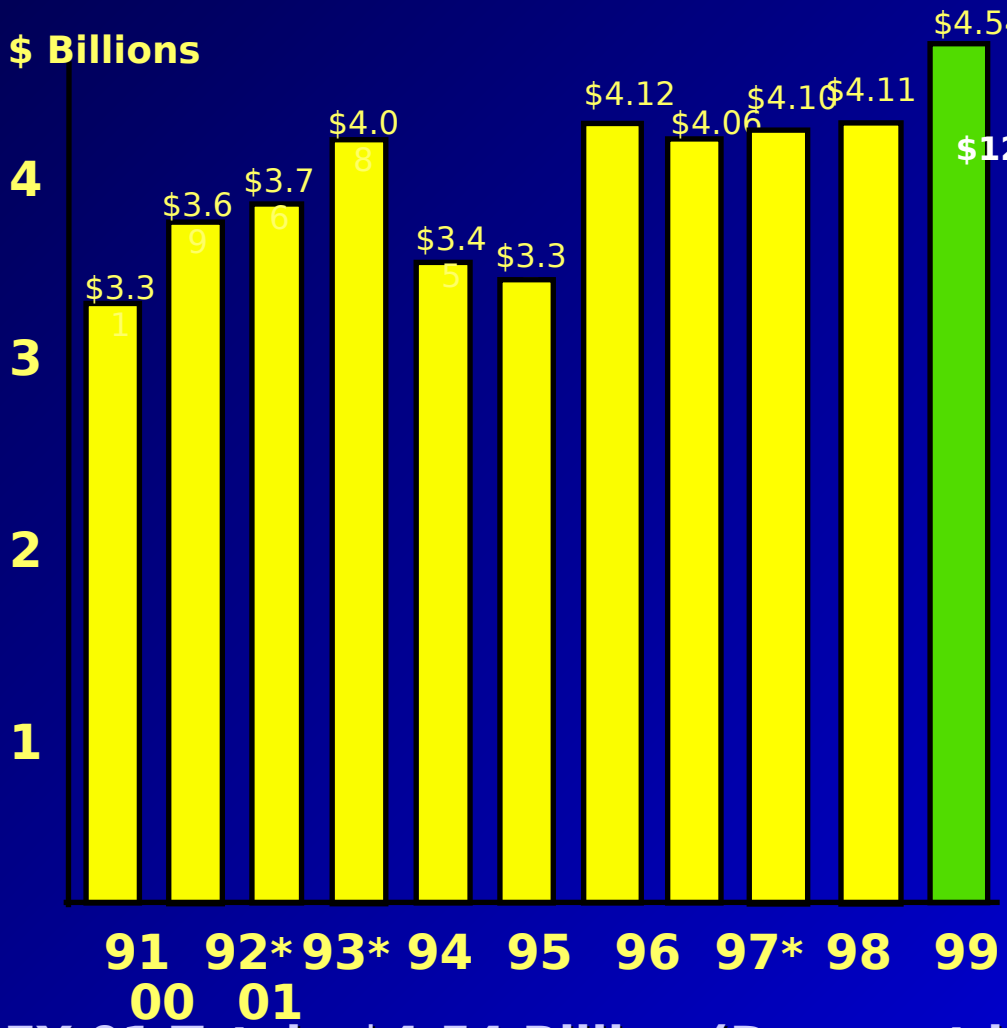
Business Program:

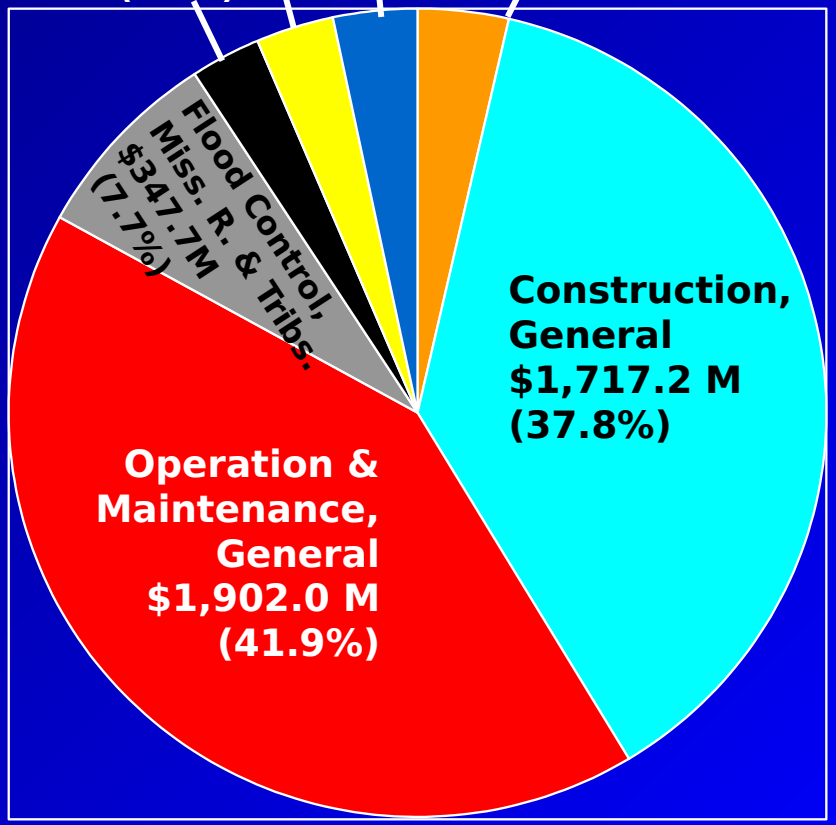
- $800 million in construction/management for 60 U.S. agencies
- Major customers:
  - Environmental Protection Agency (Superfund toxic waste cleanup)
  - Federal Emergency Management Agency
  - Departments of Justice, Transportation, Energy, Interior
- Corps expenses reimbursed by agency requesting support
- Agencies often find it more cost-effective to use Corps than develop in-house engineering management organization

The Federal Budget
(FY 2001)

Army Civil Works: 0.25%

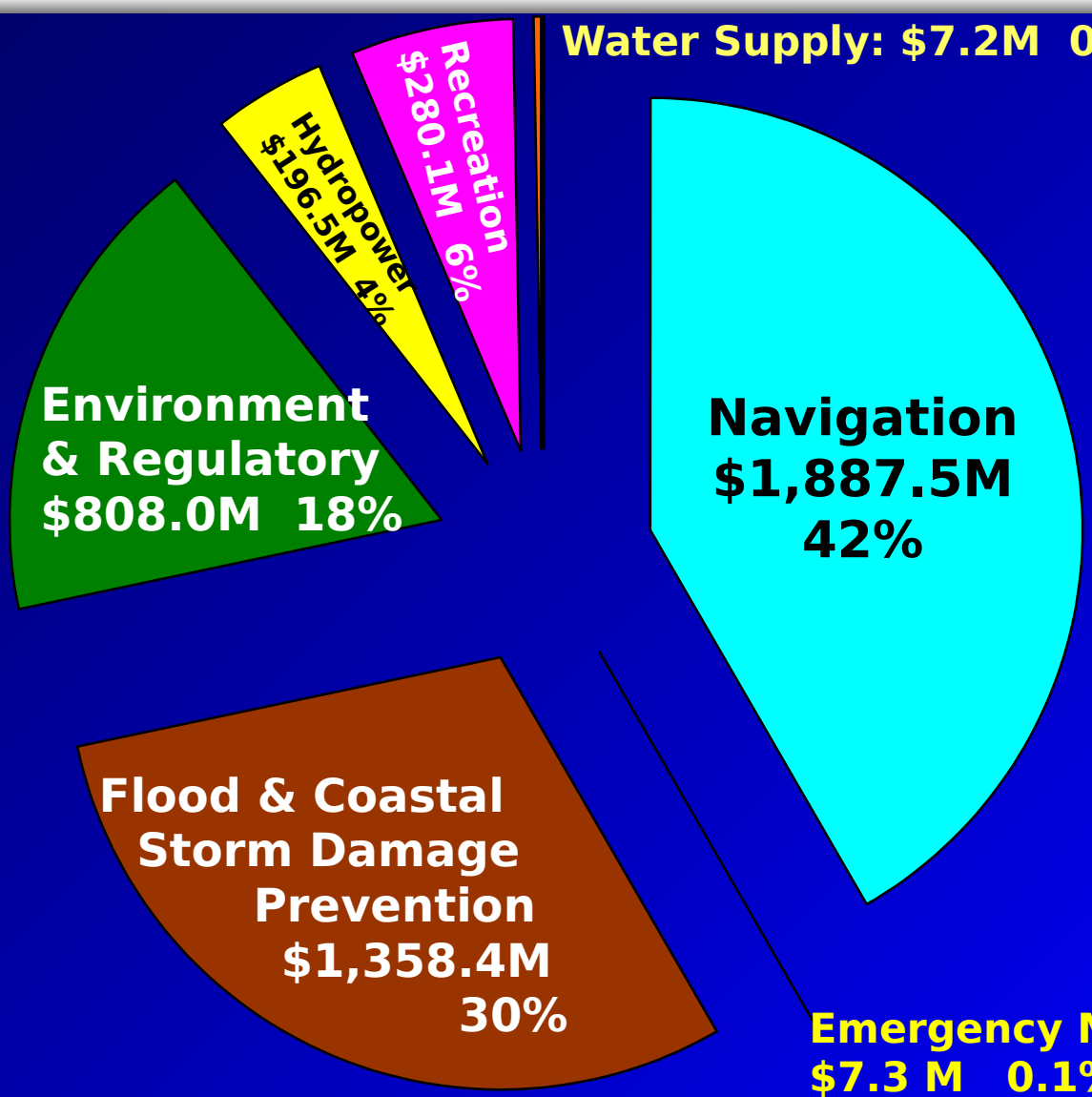
FY 01 Appropriation and Trends





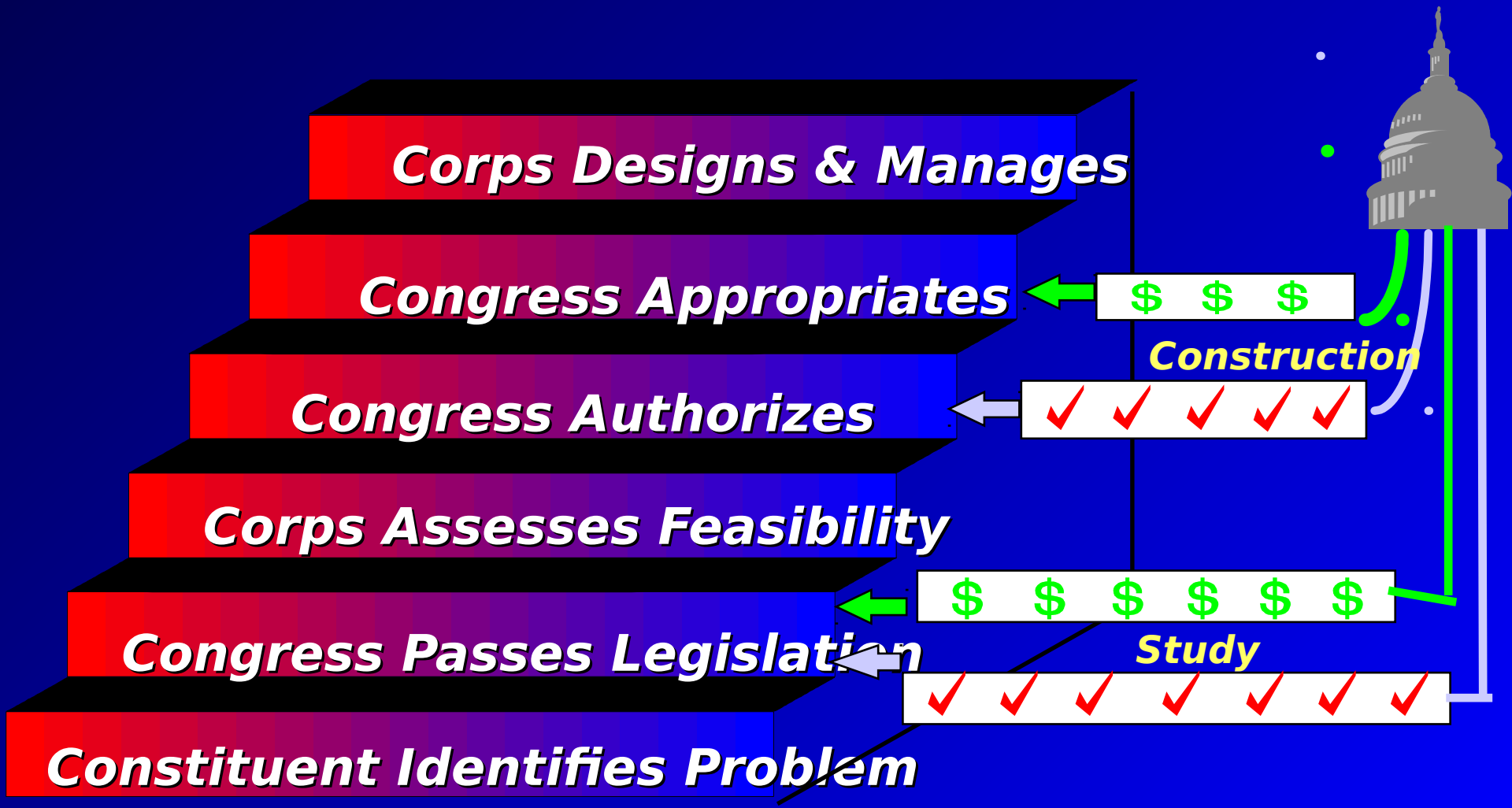
FY 01 Total: $4.54 Billion (Does not include Support for Others)

Civil Works Appropriation by Business Program, FY 2001


Water Supply: $7.2M 0.2%
Recreation $280.1M 6%
Hydropower $196.5M 4%
Environment & Regulatory $808.0M 18%
Navigation $1,887.5M 42%
Flood & Coastal Storm Damage Prevention $1,358.4M 30%
Emergency Management: $7.3 M 0.1%

Steps to a Civil Works Project

(Not All-Inclusive)



Civil Works Support to National Defense

- **Power Projection**
  - ✔ Inland Waterways
  - ✔ Strategic harbors
  - ✔ Research labs supporting U.S. operations
- **Overseas Presence**
  - ✔Technical assistance to CINC's
  - ✔ Support to foreign nations
  - ✔ Expanded port facilities to support CINC's
- **Crisis Response**
  - ✔ Response to natural & man-made disasters

Civil Works Focus

- Relevance to Nation & Army
- Growth opportunities
- Environmental balance
- Enhanced role as problem solvers
- Steady funding
- Delighted customers